LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.802	307	320	335	rVB	189148	377798	2.98%	0.522%
2	3.137	408	424	447	rVB2	91095	200539	1.58%	0.277%
3	4.593	864	877	903	rVB3	151856	518694	4.09%	0.717%
4	5.053	992	1020	1050	rBV5	126744	465313	3.67%	0.643%
5	5.571	1157	1181	1207	rBV3	79133	248385	1.96%	0.343%
6	6.632	1492	1511	1533	rVB4	108228	339279	2.67%	0.469%
7	7.593	1791	1810	1821	rBV	508917	1326556	10.45%	1.833%
8	7.667	1822	1833	1848	rVV	852234	2118523	16.69%	2.927%
9	7.744	1852	1857	1878	rVB4	65288	148083	1.17%	0.205%
10	7.879	1882	1899	1914	rBV3	88162	210737	1.66%	0.291%
11	8.030	1928	1946	1970	rBV	552821	1332381	10.50%	1.841%
12	8.162	1972	1987	1994	rBV5	52195	128155	1.01%	0.177%
13	8.587	2102	2119	2151	rBV	1103060	2368973	18.67%	3.273%
14	9.082	2244	2273	2286	rBV4	145228	429101	3.38%	0.593%
15	10.092	2572	2587	2600	rBV	2017783	3748981	29.54%	5.180%
16	10.156	2600	2607	2619	rVB	179649	331826	2.61%	0.458%
17	11.410	2981	2997	3016	rBV	1373675	2473468	19.49%	3.417%
18	11.513	3016	3029	3047	rVB	737146	1297430	10.22%	1.793%
19	11.619	3047	3062	3085	rBV	6736906	12690903	100.00%	17.533%
20	11.947	3144	3164	3183	rBV	3098610	5153706	40.61%	7.120%
21	12.249	3247	3258	3269	rVB	163279	263520	2.08%	0.364%
22	12.403	3291	3306	3322	rBV	1284053	2202201	17.35%	3.043%
23	12.593	3352	3365	3373	rBV	406065	652429	5.14%	0.901%
24	12.654	3373	3384	3391	rBV	3339675	5546085	43.70%	7.662%
25	12.731	3401	3408	3432	rVB	1452693	2346505	18.49%	3.242%
26	12.892	3442	3458	3472	rBV	1084846	1784680	14.06%	2.466%
27	13.040	3489	3504	3517	rBV	4941498	7679839	60.51%	10.610%
28	13.233	3554	3564	3574	rVB	107869	164066	1.29%	0.227%
29	13.342	3587	3598	3602	rBV	1363742	2085001	16.43%	2.881%
30	13.374	3603	3608	3622	rVB	1820874	2758848	21.74%	3.812%
31	13.513	3639	3651	3652	rBV	289044	328549	2.59%	0.454%
32	13.542	3653	3660	3667	rVV	1098145	1738332	13.70%	2.402%
33	13.583	3667	3673	3691	rVB2	811727	1426027	11.24%	1.970%
34	13.738	3709	3721	3731	rVB2	161809	274619	2.16%	0.379%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Title : SW846 8260

35	13.802	3731	3741	3746	rBV	397003	645903	5.09%	0.892%
36	13.889	3759	3768	3778	rVB	639714	981281	7.73%	1.356%
37	13.947	3778	3786	3792	rVV	105056	157607	1.24%	0.218%
38	13.995	3792	3801	3813	rVB2	474836	761000	6.00%	1.051%
39	14.127	3832	3842	3853	rVB	198927	314525	2.48%	0.435%
40	14.210	3853	3868	3874	rBV	342698	578144	4.56%	0.799%
41	14.249	3874	3880	3888	rVV	363389	568926	4.48%	0.786%
42	14.294	3888	3894	3901	rVV2	89707	143232	1.13%	0.198%
43	14.477	3942	3951	3961	rVV	303166	459695	3.62%	0.635%
44	14.593	3973	3987	3999	rBV3	676083	1293335	10.19%	1.787%
45	14.850	4049	4067	4074	rBV5	113402	271599	2.14%	0.375%
46	14.956	4088	4100	4113	rVB2	122988	273607	2.16%	0.378%
47	15.133	4136	4155	4168	rBV	445755	772560	6.09%	1.067%

Sum of corrected areas: 72380946

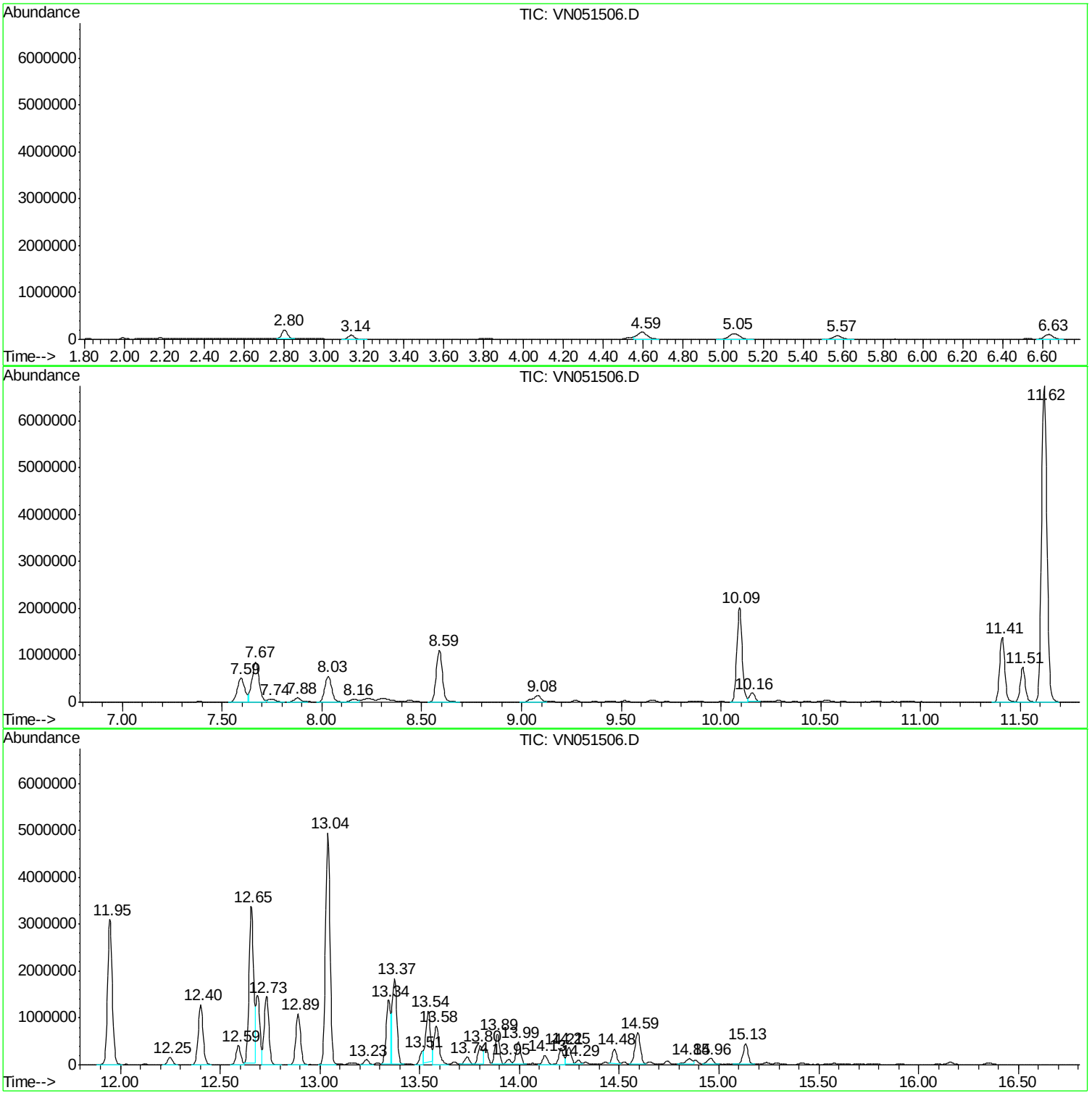
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

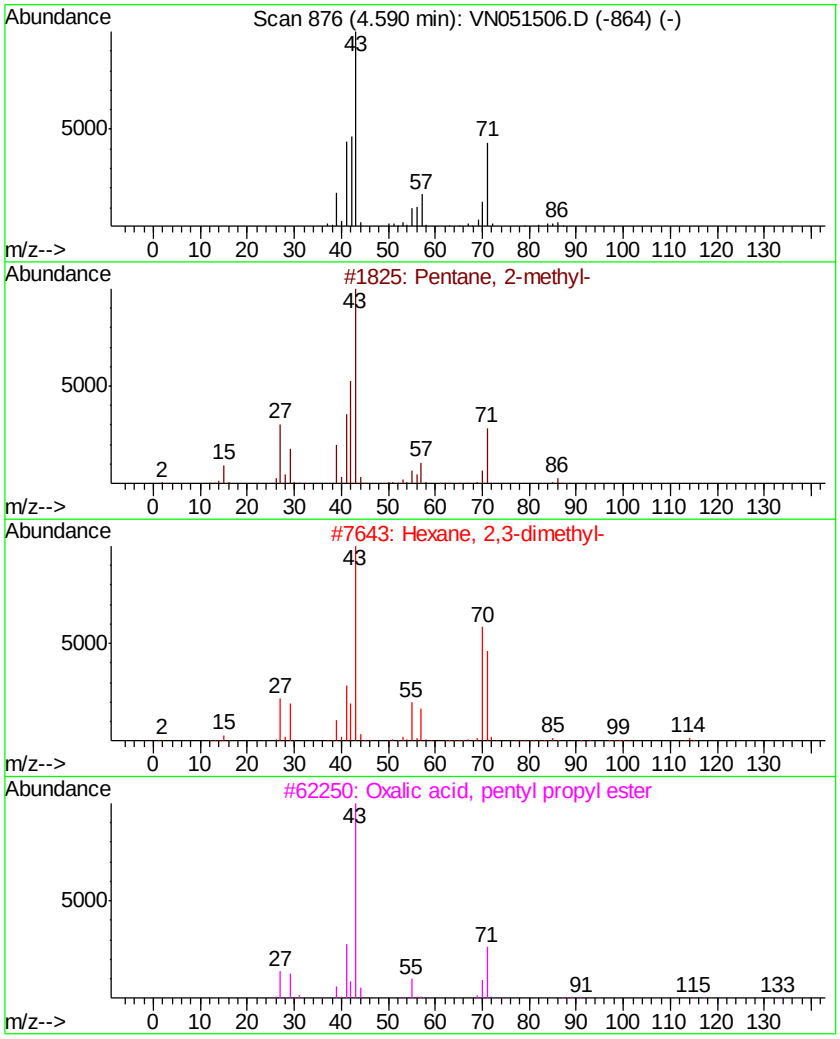
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

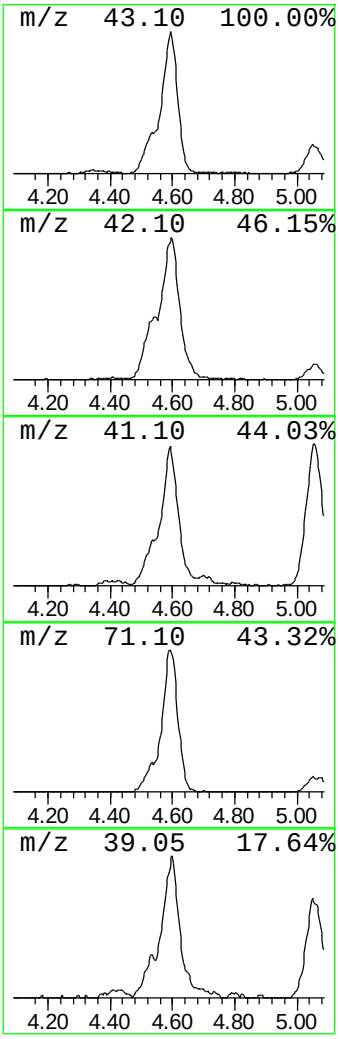
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	12.24 ug/l	518694	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28
3	Oxalic acid, pentyl propyl ester	202	C10H18O4	1000309-25-7	17
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	9
5	5-Methyloxazolidine	87	C4H9NO	058328-22-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

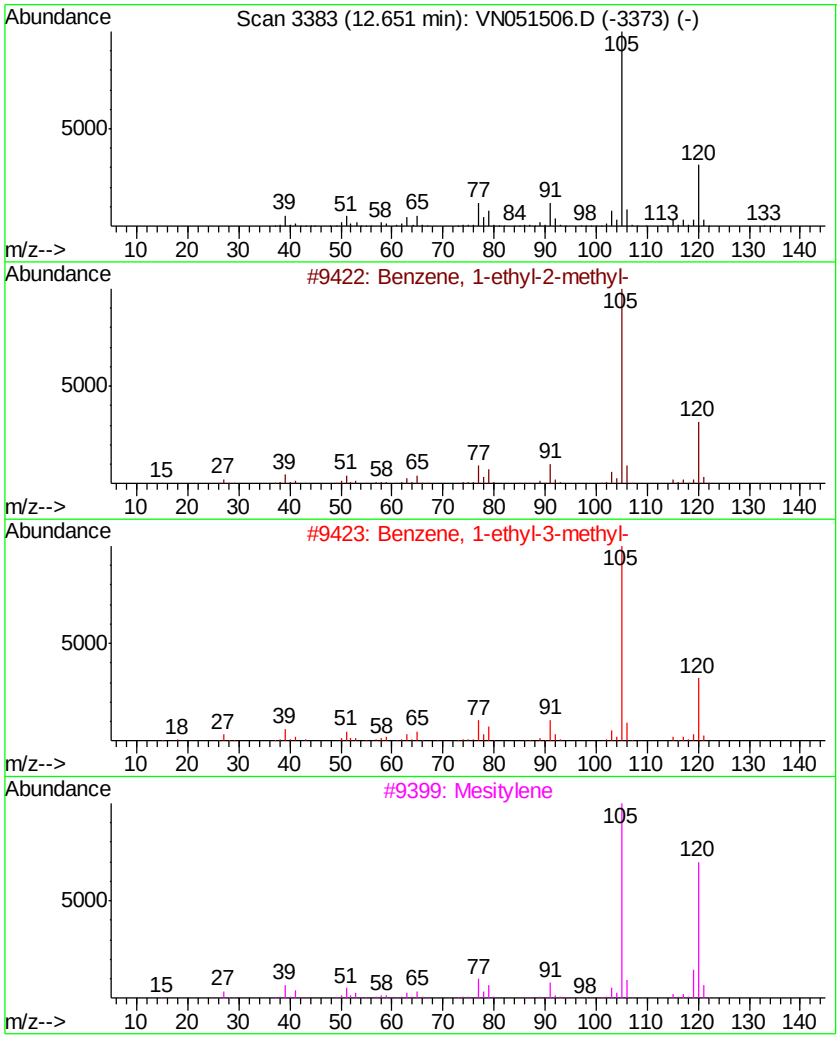
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

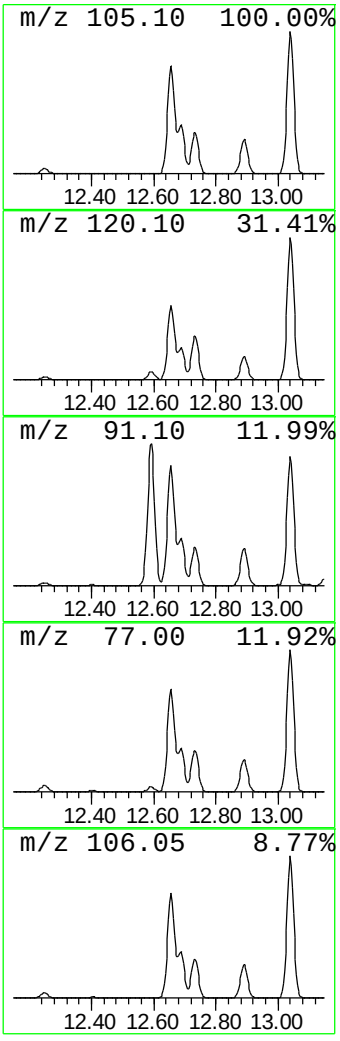
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	133.00 ug/l	5546090	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

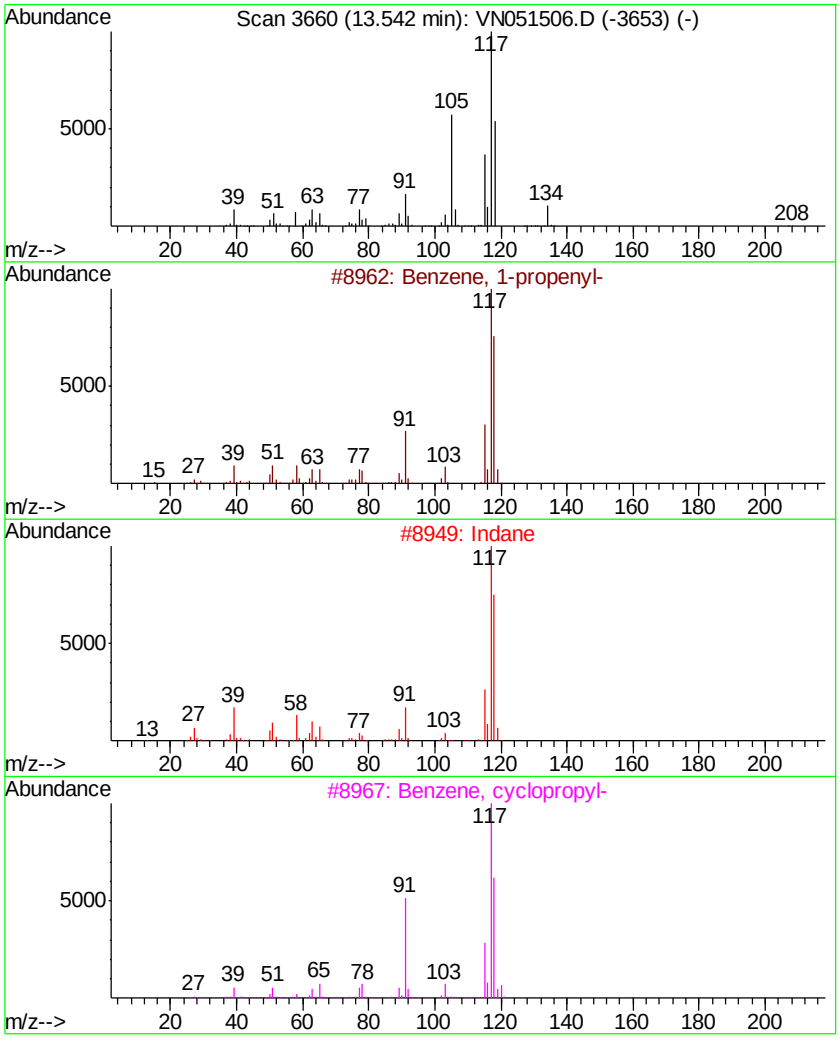
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

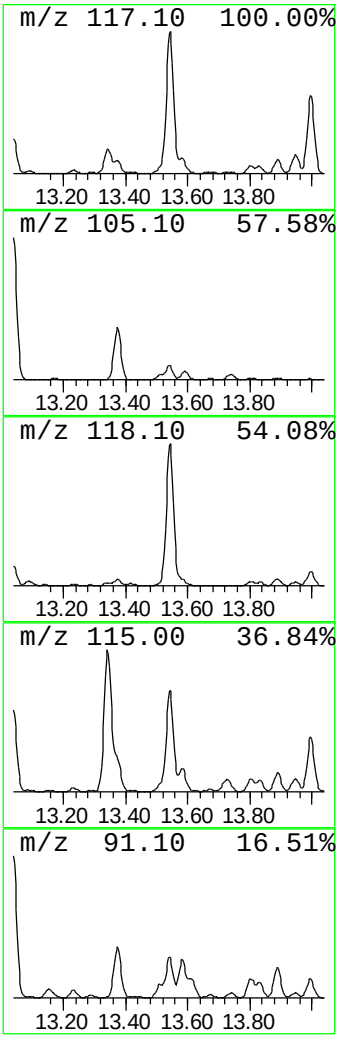
****

Peak Number 4 Benzene, 1-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	41.69 ug/l	1738330	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

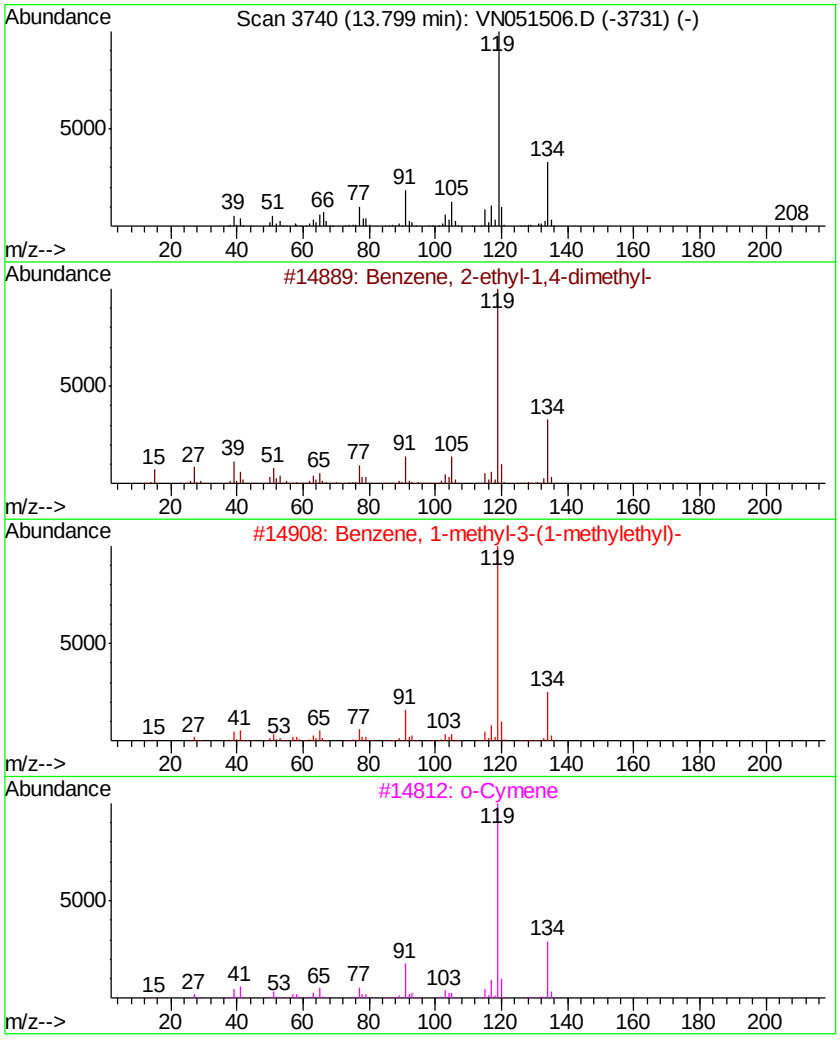
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

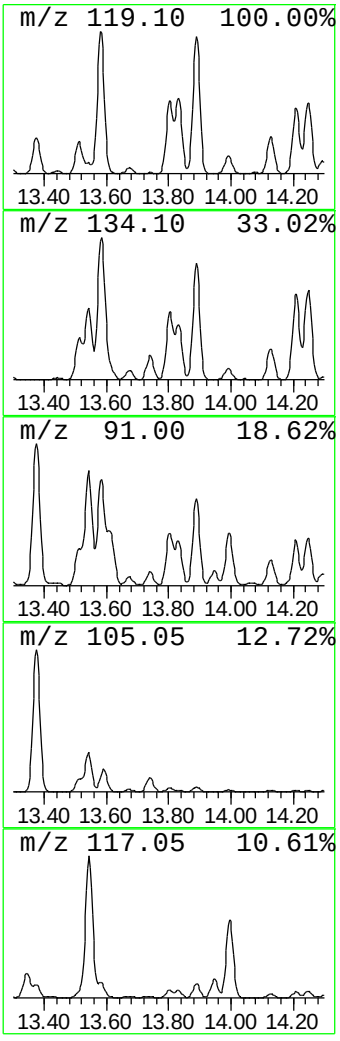
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	15.49 ug/l	645903	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

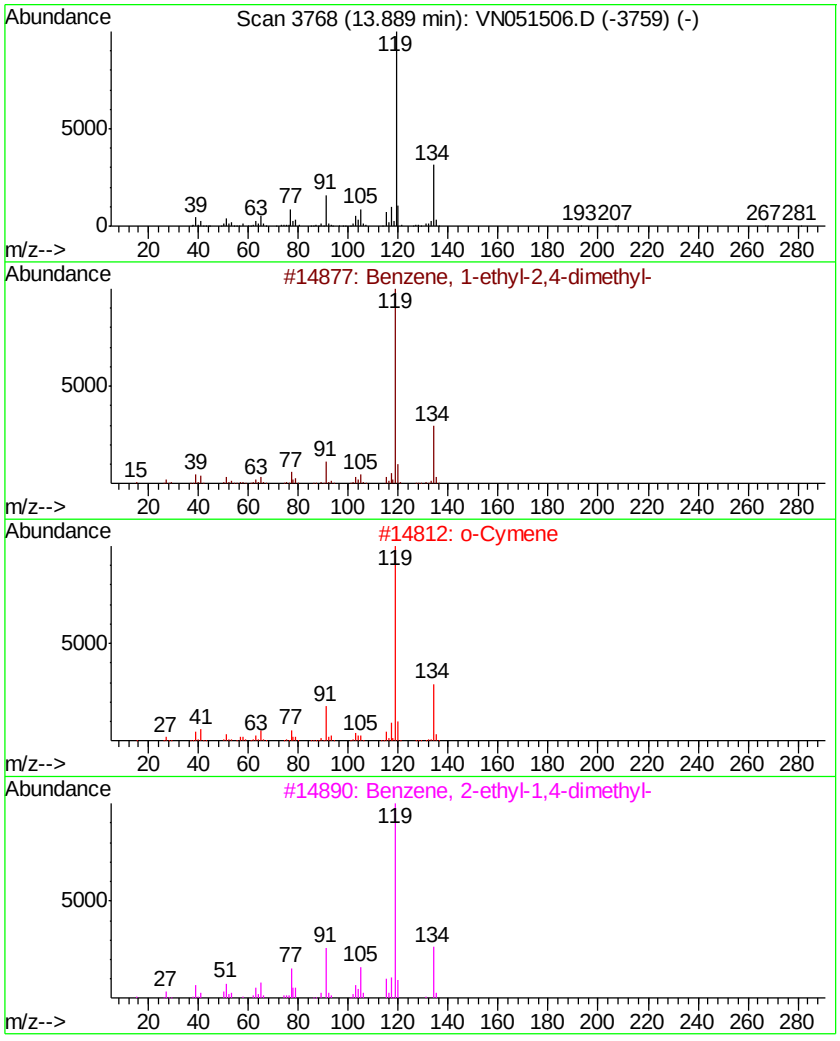
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

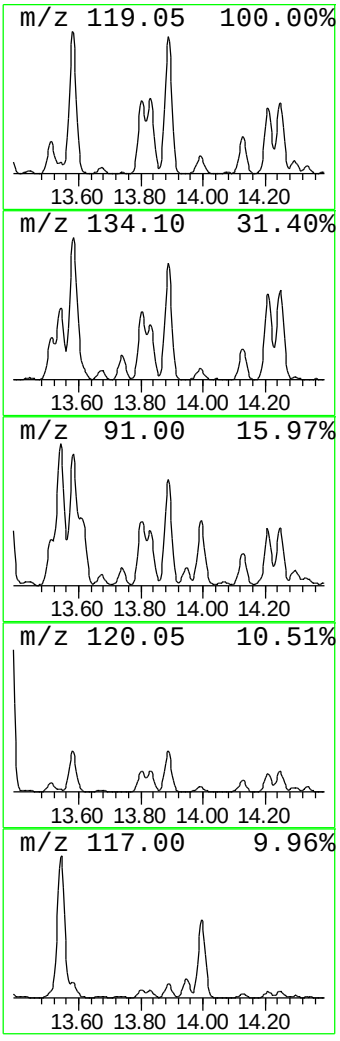
****

Peak Number 6 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	23.53 ug/l	981281	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

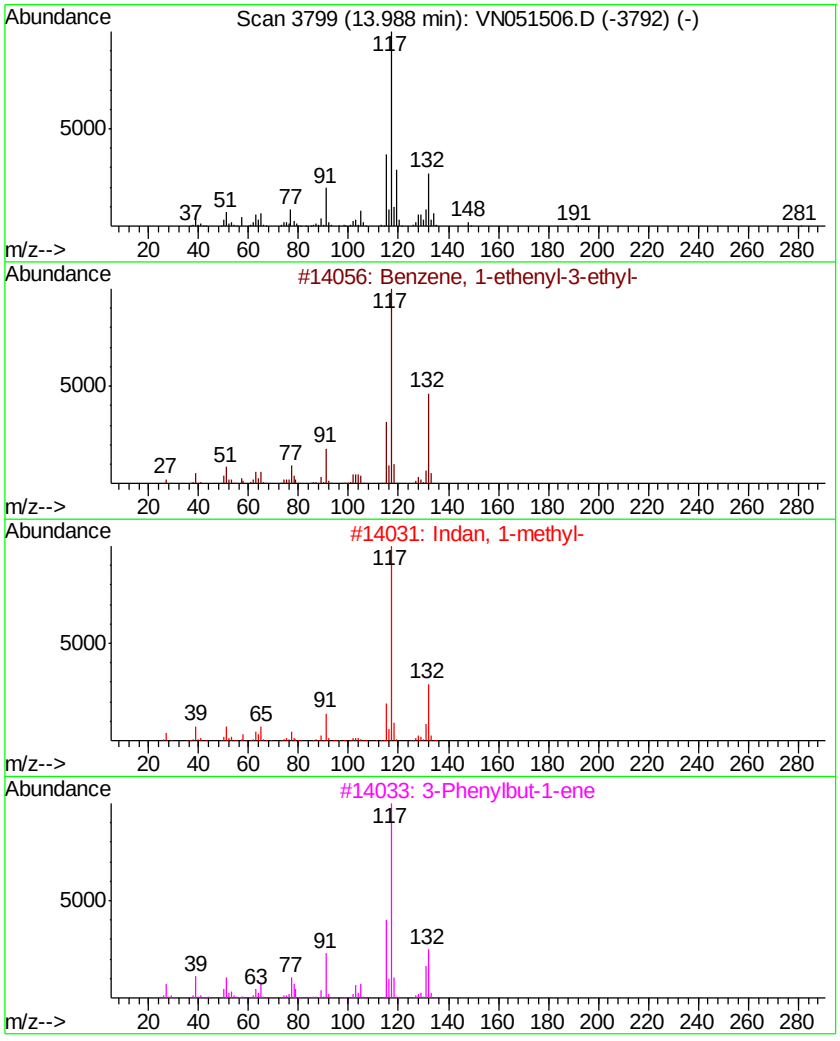
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

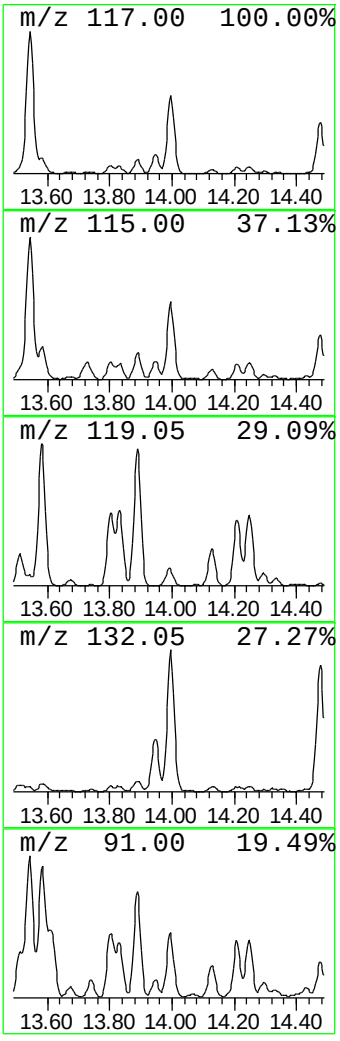
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	18.25 ug/l	761000	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
2	Indan, 1-methyl-	132	C10H12	000767-58-8	76
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	74
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

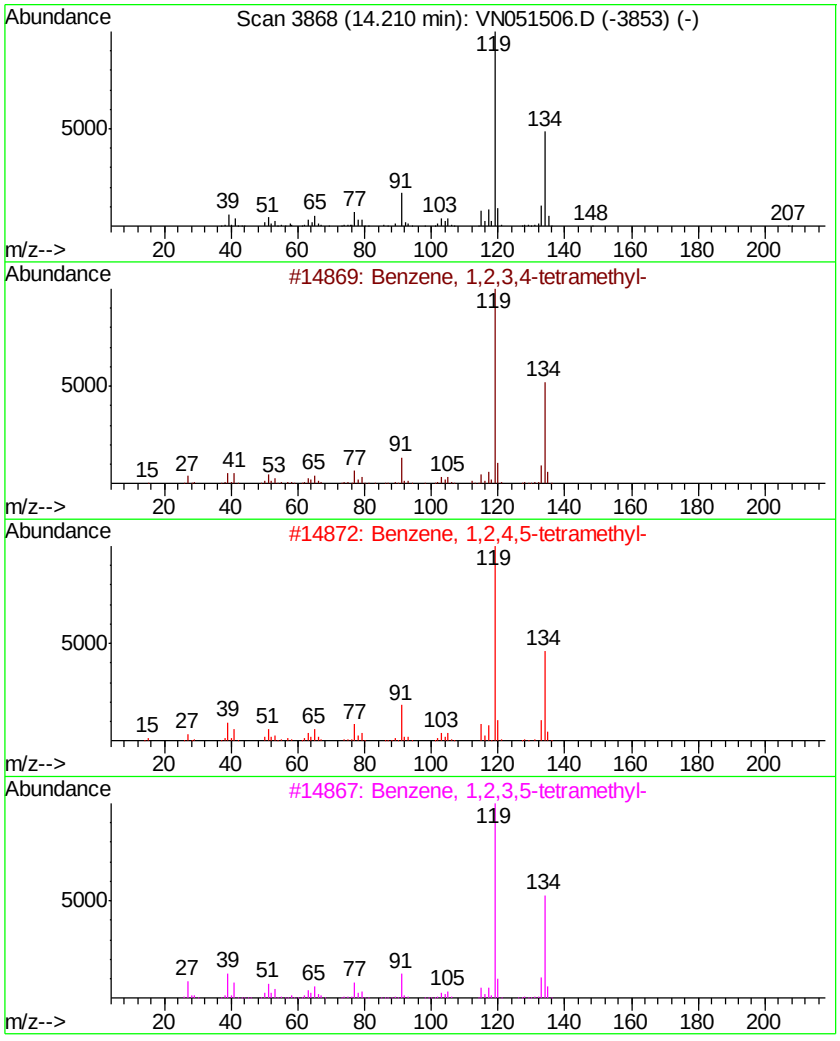
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

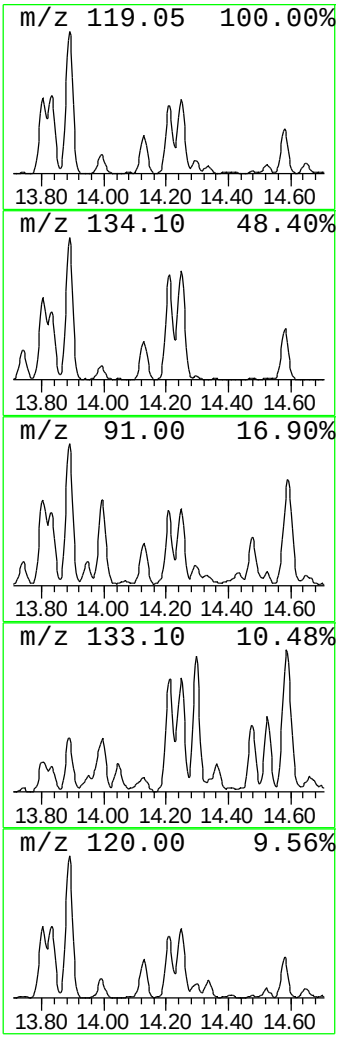
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	13.86 ug/l	578144	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

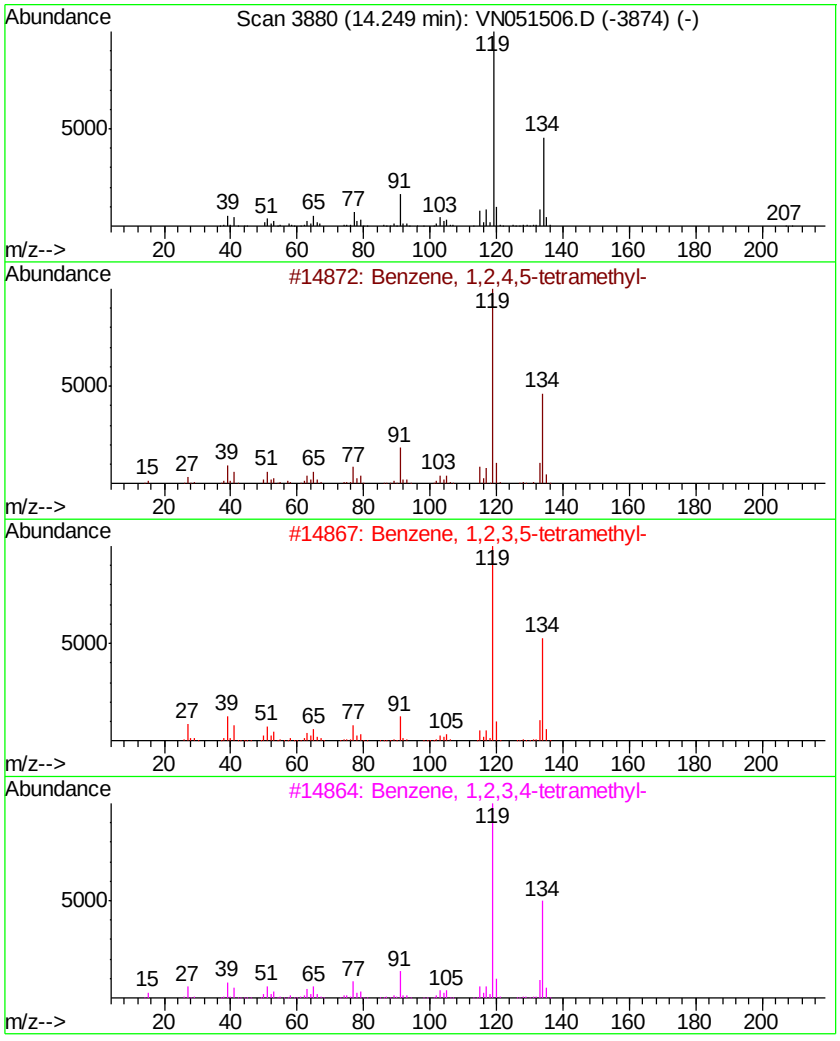
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

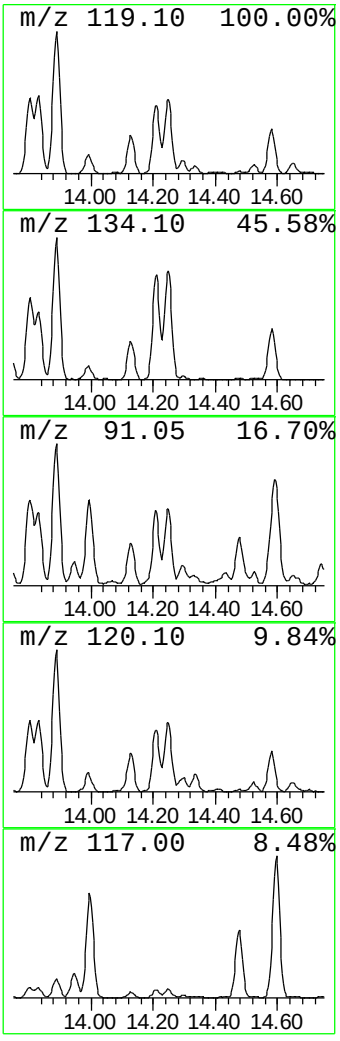
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	13.64 ug/l	568926	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

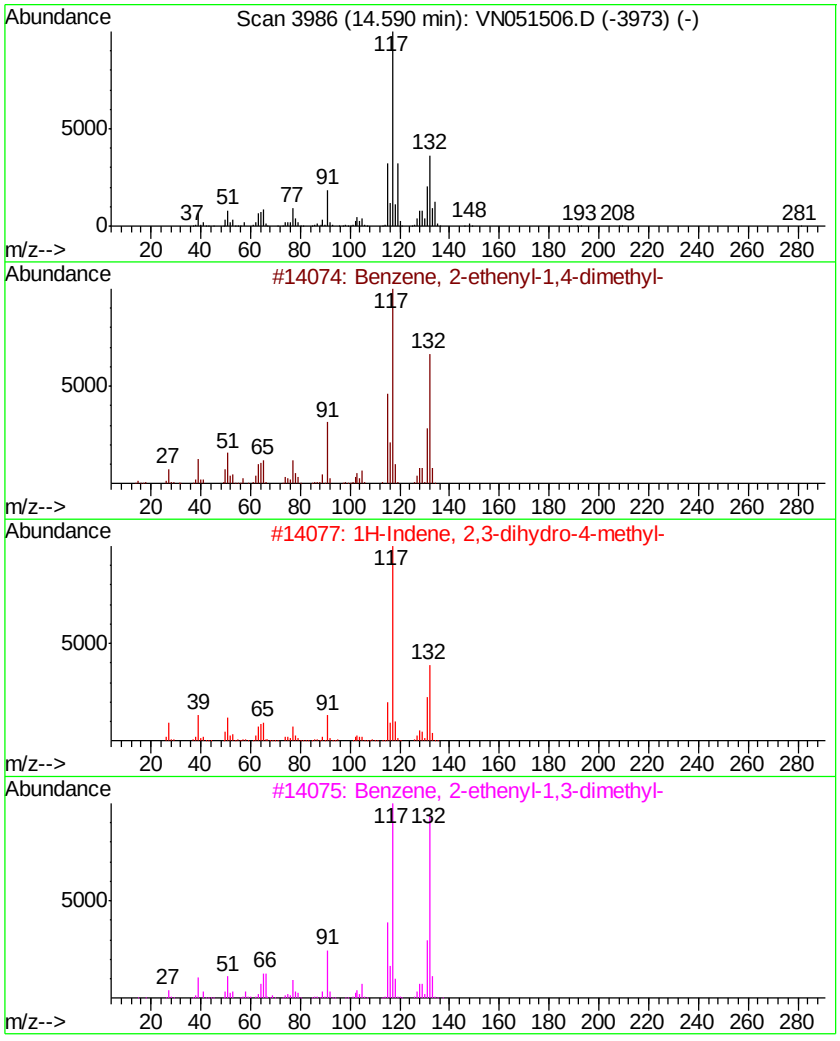
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

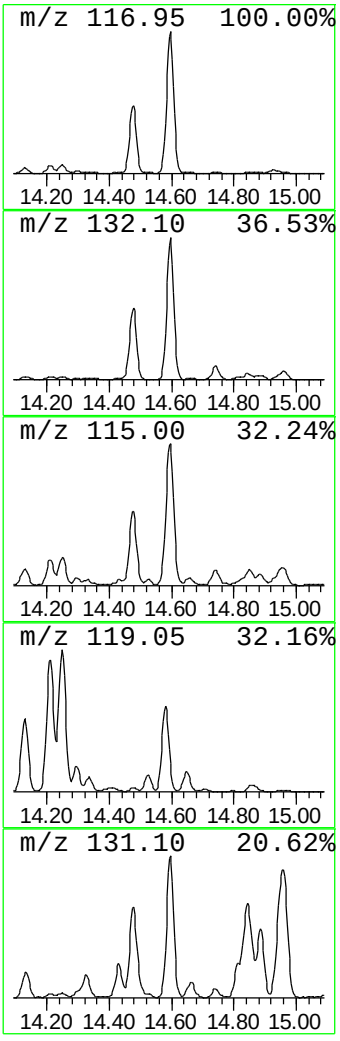
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	31.02 ug/l	1293340	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	81
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
Sample : J5065-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW13-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2-methyl-	4.59	12.2	ug/l	518694	1	7.67	2118520	50.0
Benzene, 1-ethyl-...	12.65	133.0	ug/l	5546090	4	13.34	2085000	50.0
Benzene, 1-propenyl-	13.54	41.7	ug/l	1738330	4	13.34	2085000	50.0
Benzene, 2-ethyl-...	13.80	15.5	ug/l	645903	4	13.34	2085000	50.0
Benzene, 1-ethyl-...	13.89	23.5	ug/l	981281	4	13.34	2085000	50.0
Benzene, 1-etheny...	13.99	18.3	ug/l	761000	4	13.34	2085000	50.0
Benzene, 1,2,3,4-...	14.21	13.9	ug/l	578144	4	13.34	2085000	50.0
Benzene, 1,2,4,5-...	14.25	13.6	ug/l	568926	4	13.34	2085000	50.0
Benzene, 2-etheny...	14.59	31.0	ug/l	1293340	4	13.34	2085000	50.0